



1/32

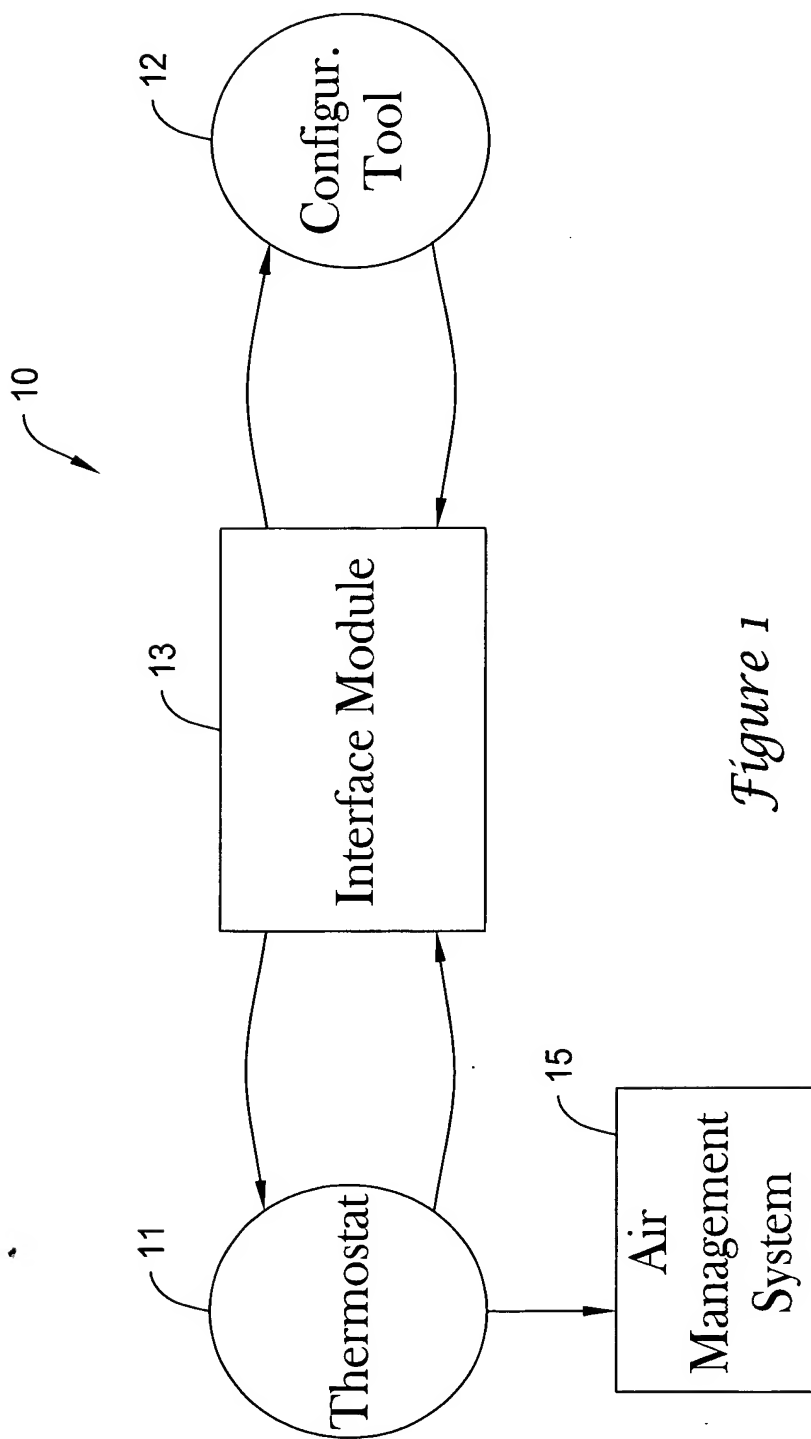
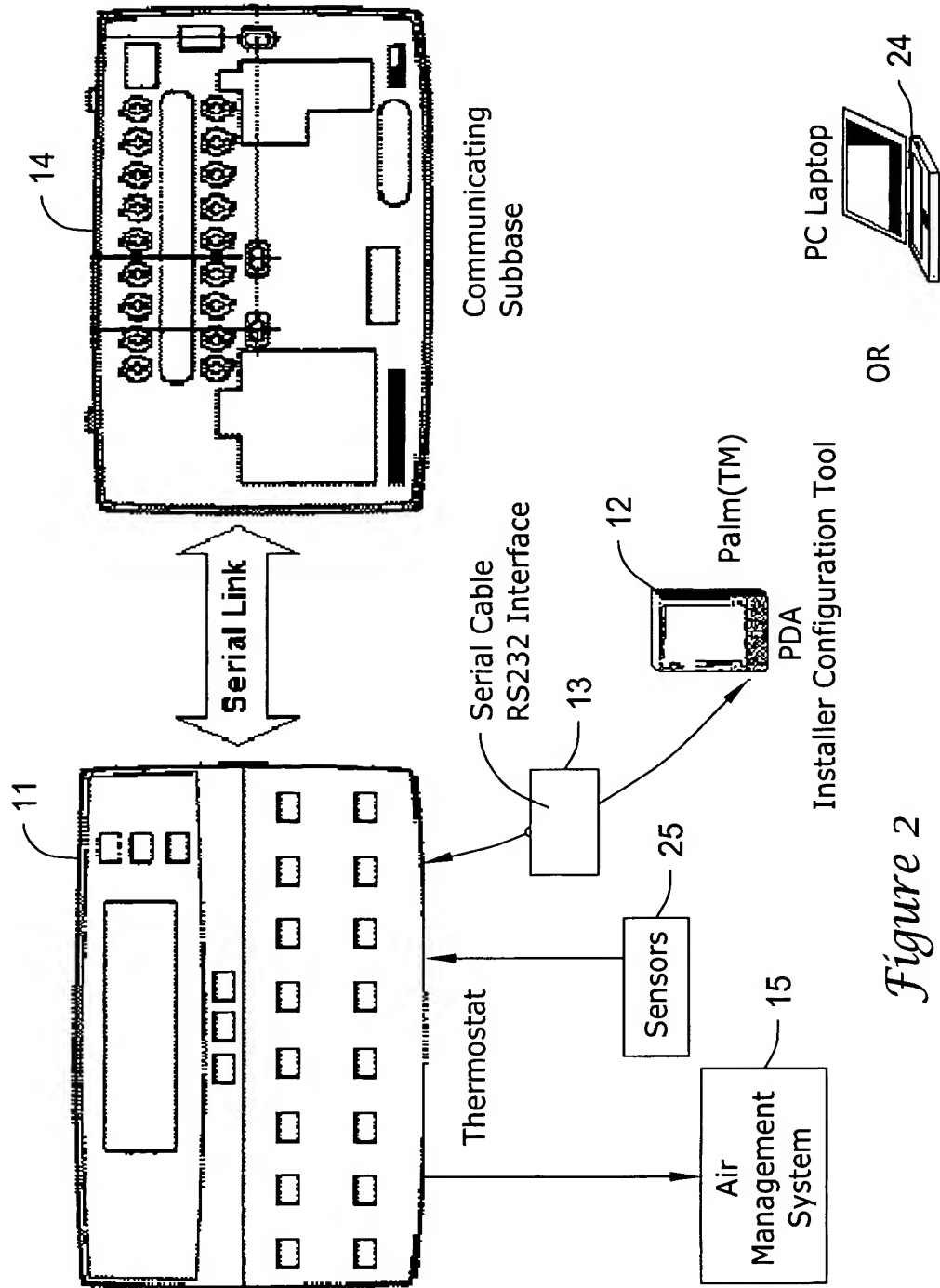


Figure 1

2/32



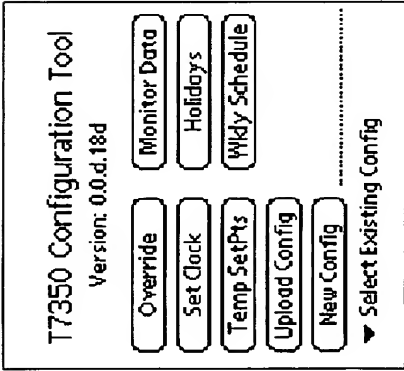


Figure 3A

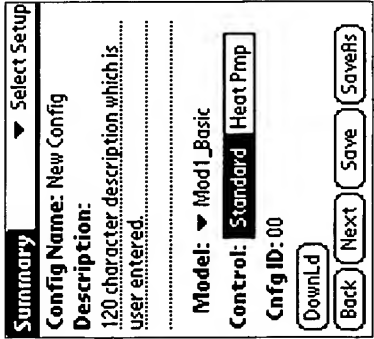


Figure 3B

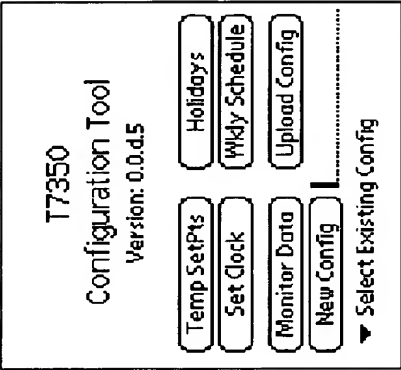


Figure 4A

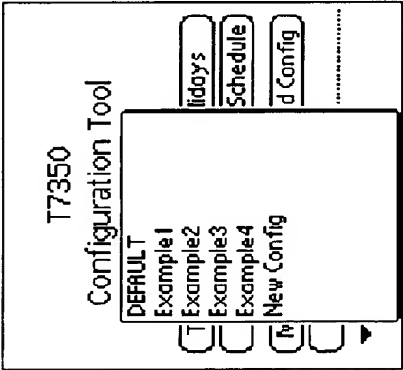


Figure 4B

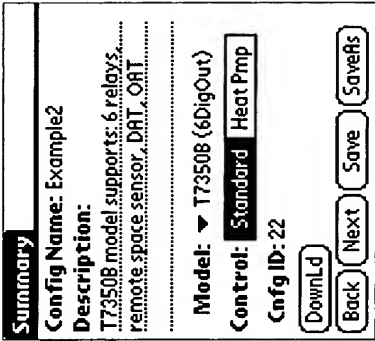


Figure 4C

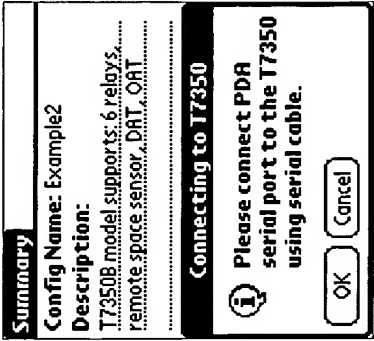


Figure 4D

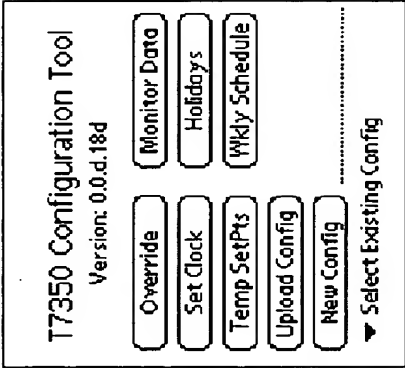


Figure 5A

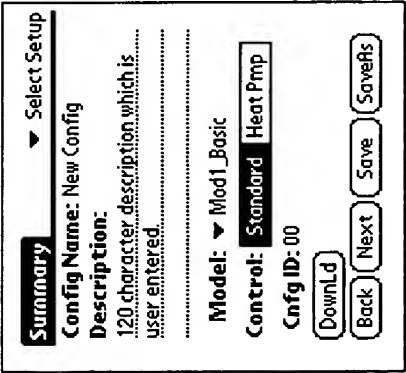


Figure 5B

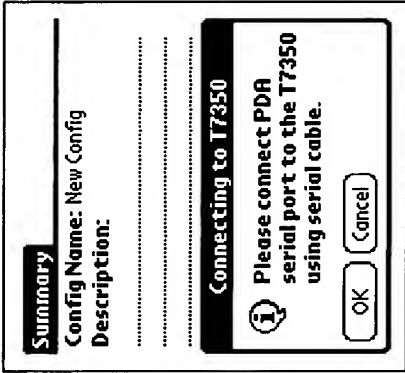


Figure 5C

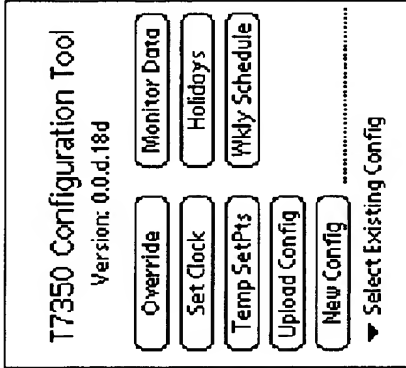


Figure 6A

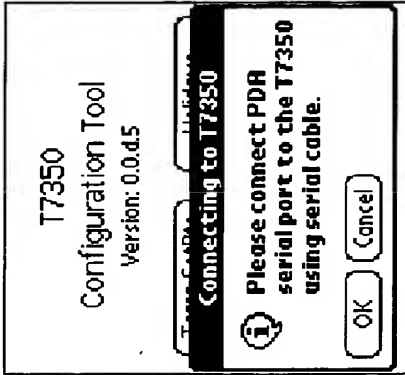


Figure 6B

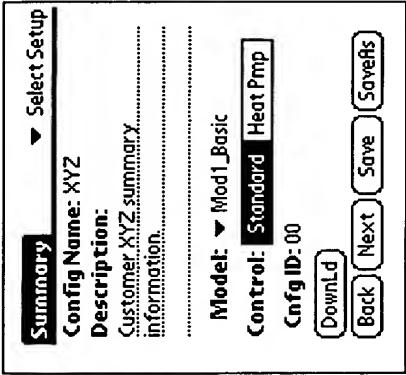


Figure 6C

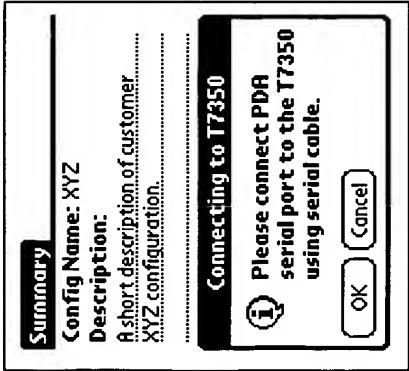


Figure 6D

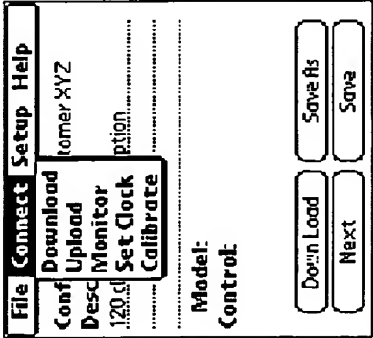


Figure 7A

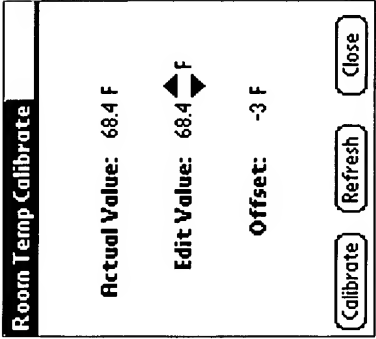


Figure 7B

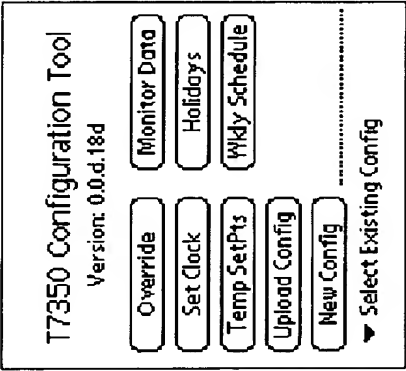


Figure 8A

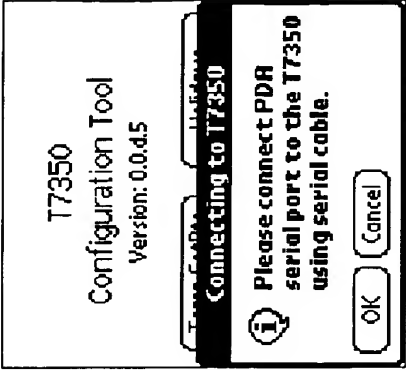


Figure 8B

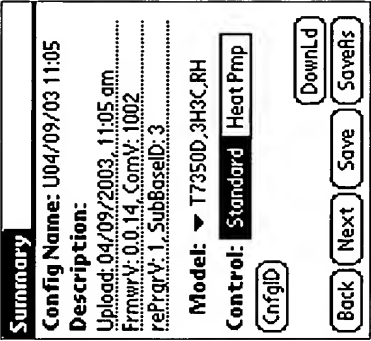


Figure 8C

T7350 Configuration Tool

Version: 0.0.d.18d

Override

Monitor Data

Set Clock

Holidays

Temp SetPts

Wkly Schedule

Upload Config

New Config

Select Existing Config

Figure 8D

Monitor Data

SubBaseID: T7350D,3H3C,RH

FirmwareVersion: 0.0.19

Room Temperature: 79.2 F

EffectiveSetPoint: 75.0 F

RoomRH: 31 %

Dehumidification: Off

DischargeAir Temp: 70.3 F

Update

Close

Figure 8E

Summary

Config Name: Example3

Description:
T7350C SmartStat supports: 6
Relays, remote space sensor, DAT
OAT, RH, Occ sensor

Model: ▼ T7350C (6DigOut+RH)

Control: Standard Heat Pmp

Cnfg ID: 23

DownLd

Back

Next

Save

Savefs

Figure 9A

Inputs

Room Temp: Local Remote Rmt+StPt

Room Rel Humidity: Local Remote

Occ Sensor: None Remote

Discharge Air Temp: None Remote

Outdoor Air Temp: None Remote

Back

Next

Figure 9B

Outputs

RundDO:
Time of Day
Economizer
Dehumid Hot Gas BP
Simple Dehumid

Back

Next

Figure 9C

Cooling Config

Stages: 0 1 2 3

Cooling Response: Std 3 cph Fast 4 cph

☒ Enable OAT Lockout
OAT SetPt 35 F

☒ Enable DAT Low Limit
DAT SetPt 45 F

Back

Next

Figure 9D

Heating Config

Stages: 0123

Heating: Std 3cph Med 6cph

Response: Fast 9cph FastII20cph

☒ Enable ORT Lockout
ORT SetPt 70 F

☒ Enable DRT High Limit
DRT SetPt 110 F

BackNext

Figure 9E

Fan

FanSwitch: OnAuto

FanOperation: ConventionalElectric Heat

Heat: No Extended Op
Extend 90 sec

Cool: No Extended Op
Extend 90 sec

BackNext

Figure 9F

Weekly Schedule

Select New Schedule

SavefsDeleteModify

MON 08:00 am OCC

TUE 08:00 am OCC

WED 08:00 am OCC

THU 08:00 am OCC

BackNextDownload

Figure 9G

Modify Schedule

Day: Monday

Event# -- Mode -- -- Time --

1 Occupied 08:00 am

2 Unoccupied 10:00 pm

3 None 12:00 am

4 None 12:00 am

CopyDayTo Sun Sat Hol

☐ M ☐ T ☐ W ☐ T ☐ F

OK

Figure 9H

SetPoints

Heating Cooling

Occupied 70 75 F

Standby 67 78 F

UnOcc 55 85 F

Occupied SetPt Stops 55 85 F

TempOverride: 3 Hrs

BackNextDownload

Figure 9I

Summary

Config Name: ExampleModelID

Description: T7350D model supports: 6 Relays, remote space sensor, DRT, ORT, RH, Occ sensor

Model: T7350D.3H3C,RH

Control: StandardHeat Pmp

CnfgID

BackNextSaveSavefsDownload

Figure 9J

Summary

Config Name: ExampleModelID

Description: T7350D model supports: 6 Relays, remote space sensor, DHT, OHT, RH, Occ sensor

Model: ▼ T7350D_3H3C_RH

Control: Standard Heat Pmp

CnfgID

BackNextSaveDownLdSaveRts

Figure 10A

FileComSetSchedOpt

Config Name: E> Wkly Sched

Description: T7350D model sup remote space sens RH, Occ sensor

Model: ▼ T7350D_3H3C_RH

Control: Standard Heat Pmp

CnfgID

BackNextSaveDownLdSaveRts

Figure 10C

Dehumidification

High Limit: 65 %

Dehumid Options: ☒ Min ON Time ▼ 5 min ☒ Reheat ☒ Reset Temp SetPt 1 F

Spin Speed 1X 10X

OK

Figure 10E

FileComSetSchedOpt

Config Name: Home

Description: T7350D model supports: 6 Relays, remote space sensor, DHT, OHT, RH, Occ sensor

Model: ▼ T7350D_3H3C_RH

Control: Standard Heat Pmp

CnfgID

BackNextSaveDownLdSaveRts

Figure 10B

Display

Units: F C

Rm Temp: Display NoDisplay

Occupied SetPoint Stops Min 55 F Max 85 F

Clock: AM/PM 24 hr

Key Pad: ▼ Enable All

SysSwitch: ▼ OFF

OK

Figure 10D

Energy Management

Demand Limit Control Bump: 3 F

Power Failure Seq Start: ▼ 0 sec

OK

Figure 10F

Loop Tuning

Heating

Cooling

TR77F

IT1650sec

DT00sec

Anticipator Authority: 4F

Apply To Htg Htg&Clg

Spin Speed 1X10X100X

OK

Figure 10G

Recovery

Cool

Heat

OAT@Min: 900F

Ramp Min: 35F/hr

OAT@Max: 7040F

Ramp Max: 68F/hr

LeadTime -Cool- -Heat- MaxRange 1.8 to 3.5 2.0 to 3.1 hr

OK

LeadTimeInfo

Figure 10H

Day Light Saving

Start Month: Apr

Start Day: FirstSun

Stop Month: Oct

Stop Day: LastSun

Spin Speed 1X10X

OK

Figure 10I

Holiday

Select New Holiday Group

Saves Delete Modify

New Years Day Jan 1, Dur:1

Memorial Day May LastMon, Dur:1

Independence Day Jul 4, Dur:1

Labor Day

OK

Download

Figure 10J

Modify Holiday

New Years Day

New Years Day

Start Month: Jan

Start Day: 1

Duration: 1Day

Spin Speed 1X10X

OK

Figure 10K

Modify Holiday

New Years Day

Memorial Day

Independence Day

Labor Day

Thanksgiving

Christmas

Hol 7

Hol 8

Hol 9

Hol 10

Spin Speed 1X10X

OK

Figure 10L

10/32

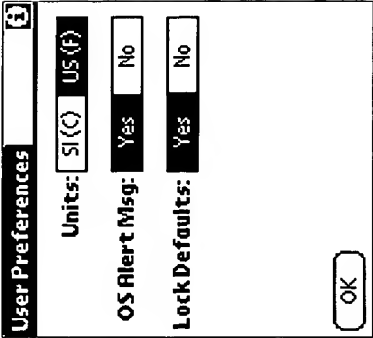


Figure 11A

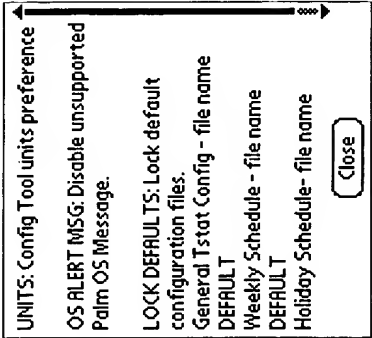


Figure 11B

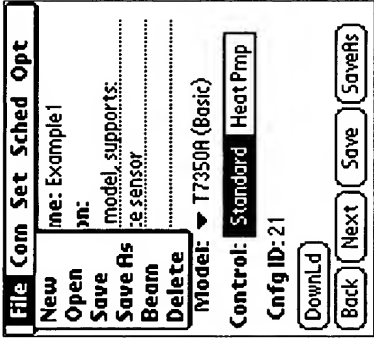


Figure 12A

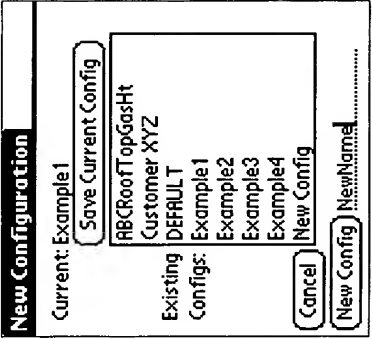


Figure 12B

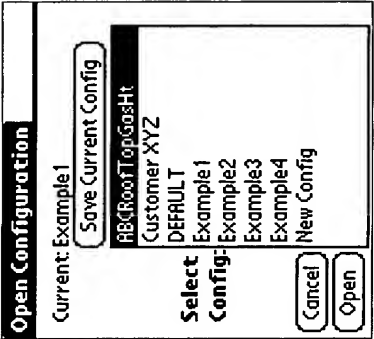


Figure 12C

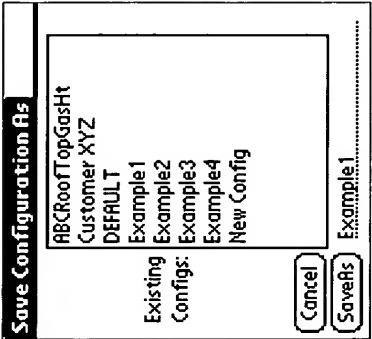


Figure 12D

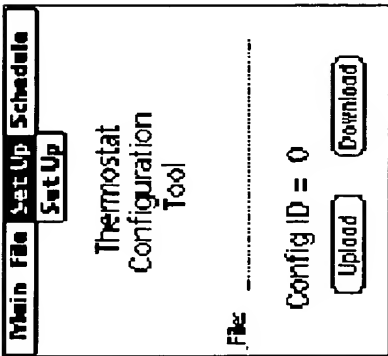


Figure 14C

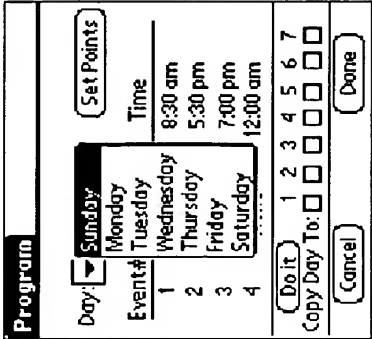


Figure 14D

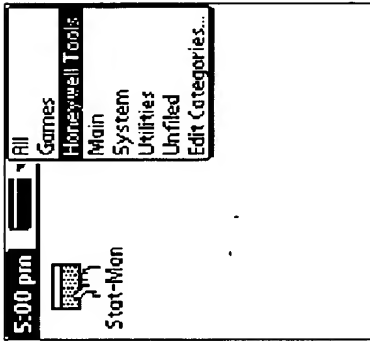


Figure 14A

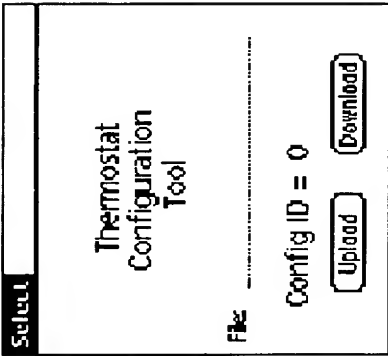


Figure 14B

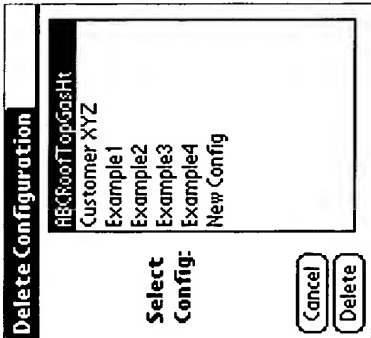


Figure 12E

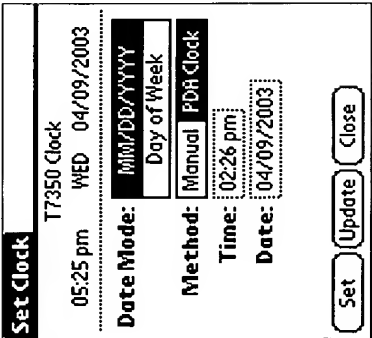


Figure 13

12/32

Installer Set Up

Temperature Units
☒ Deg F ☐ Deg C

Clock Format
☒ 12 Hr ☐ 24 Hr

Fan Behavior
☒ Continuous ☐ Intermittent

Program from Keyboard
☐ Yes ☒ No

Figure 14I

Set Up 2

Heat Stages
☐ 1 ☒ 2 ☐ 3

Cool Stages
☐ 1 ☒ 2 ☐ 3

Energize Fan For
☒ Cool Only ☐ Heat & Cool

Sensor Location
☒ Local ☐ Remote

Figure 14J

Program

Day: ☐ Sunday

Event# Mode Time

1 ☒ Occupied 8:30 am

2 ☒ Unocc 5:30 am

Select Event Time

8 : 3 0

Figure 14G

Set Points

Cooling Heating

Occupied 72 70

Standby 75 68

Unoccupied 80 60

Figure 14H

Program

Day: ☐ Sunday

Event# Mode Time

1 ☒ Occupied 8:30 am

2 ☒ Unocc 5:30 pm

3 ☒ Standby 7:00 pm

4 ☒ None 12:00 am

1 2 3 4 5 6 7

Copy Day To: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Figure 14E

Program

Day: ☐ Sunday

Event# Mode Time

1 ☒ None 3:30 am

2 ☒ Occupied 5:30 pm

3 ☒ Standby 2:00 am

4 ☒ Unocc 2:00 am

1 2 3 4 5 6 7

Copy Day To: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Figure 14F

13/32

Load Program

Choose File

- Standard 1
- Target
- Wendy's 1
- Standard 2
- K-Mart Heatpumps
- Pay-less Shoes

Cancel OK

Figure 14K

Select

Thermostat Configuration Tool

File: Standard 1

Config ID = 0

Upload Download

Figure 14L

Save to File

Save the current Thermostat configuration as file name:

Cancel OK

Figure 14M

Weekly Schedule

Select New Schedule

Save Delete Modify

- MON 08:00 am OCC
- TUE 08:00 am OCC
- WED 08:00 am OCC
- THU 08:00 am OCC

Back Next Download

Figure 14N

Holiday

Select New Holiday Group

Save Delete Modify

- New Years Day
- Jan 1, Dur:1
- Memorial Day
- May LastMon, Dur:1
- Independence Day
- Jul 4, Dur:1
- Labor Day

OK Download

Figure 14O

SetPoints

	Heating	Cooling
Occupied	70	75
Standby	67	78
UnOcc	55	85
Occupied SetPt Stops	55	85

TempOverride: 3 Hrs

Back Next Download

Figure 14P

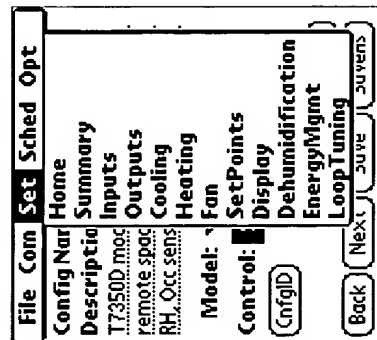


Figure 14Q

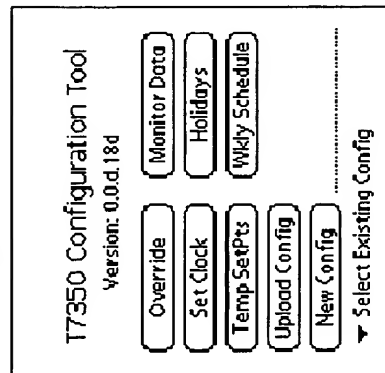


Figure 14R

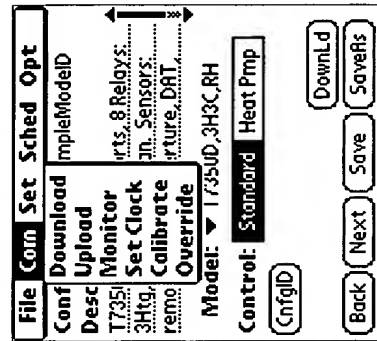


Figure 14S

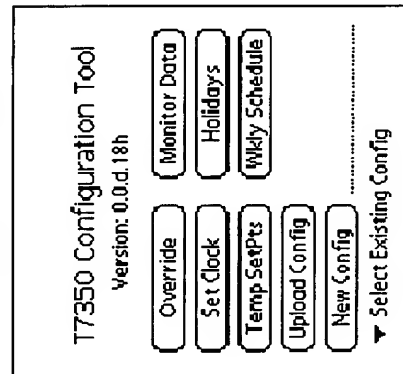


Figure 14T

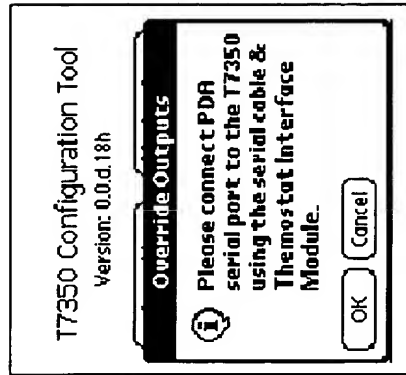


Figure 14U

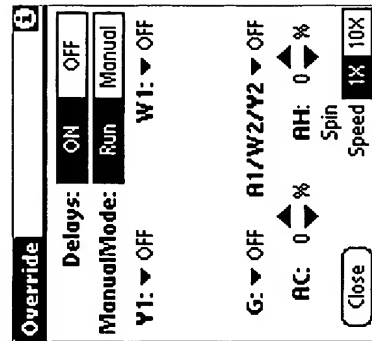


Figure 14V

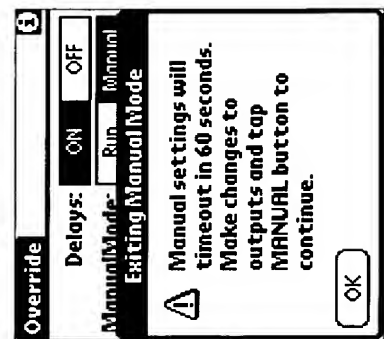


Figure 14Y

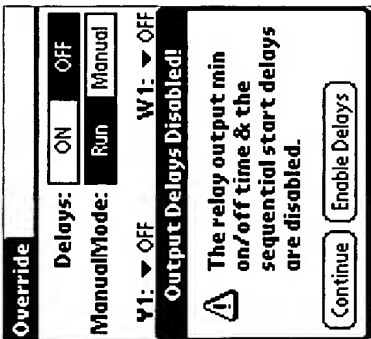


Figure 14Z

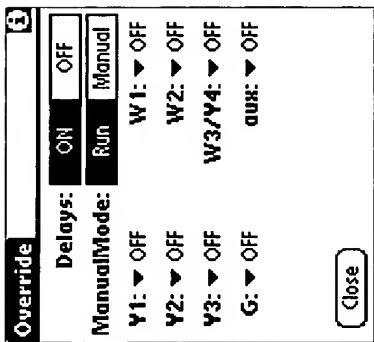


Figure 14W

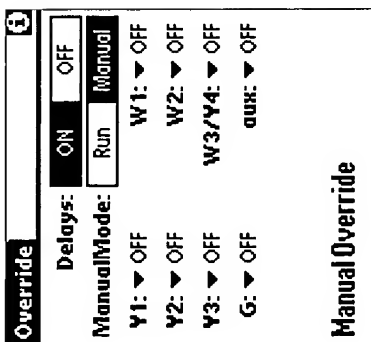


Figure 14X

16/32

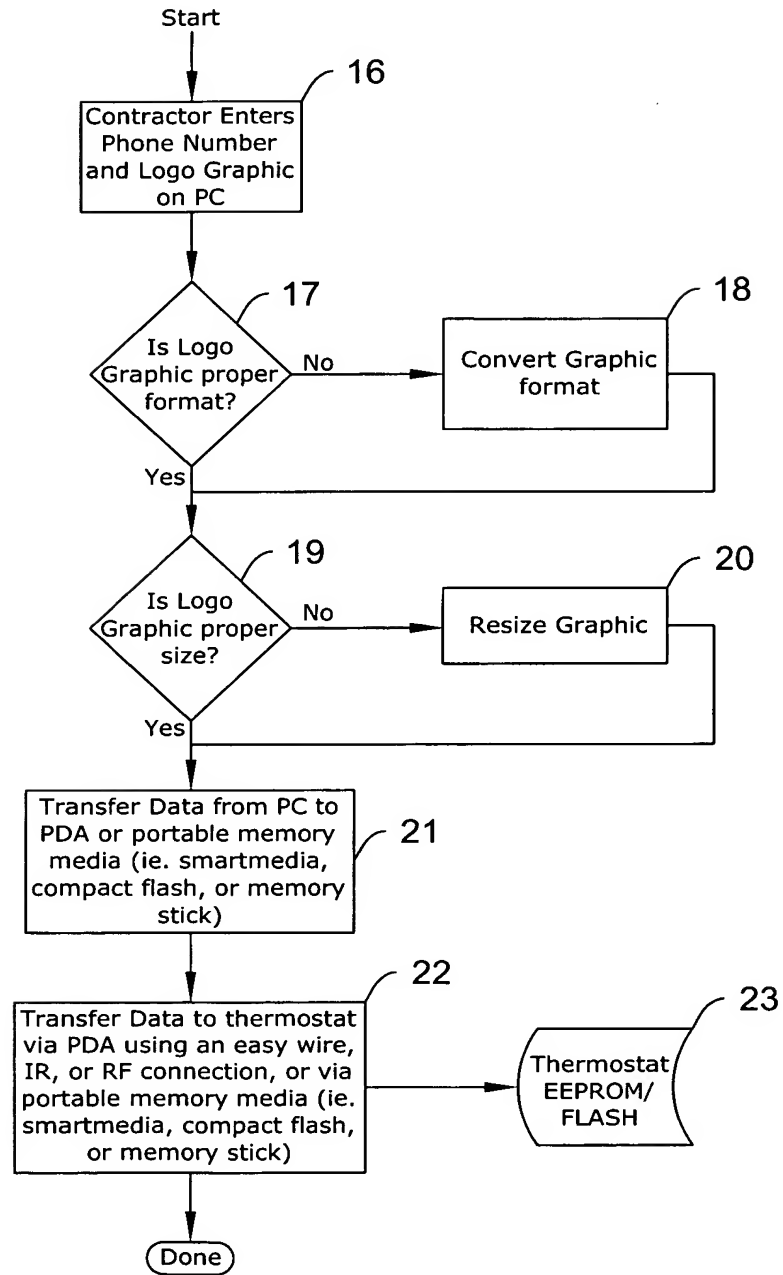


Figure 15

17/32

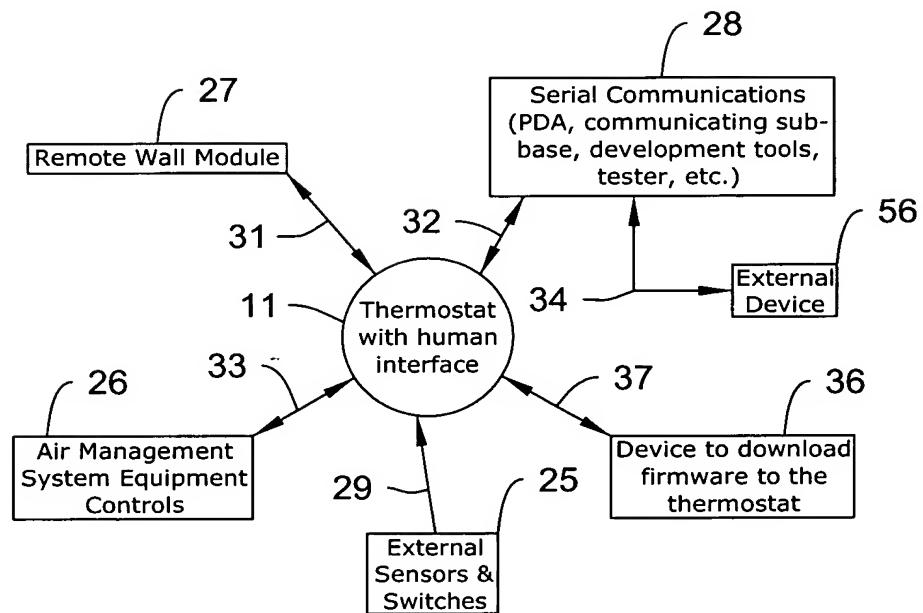


Figure 16

18/32

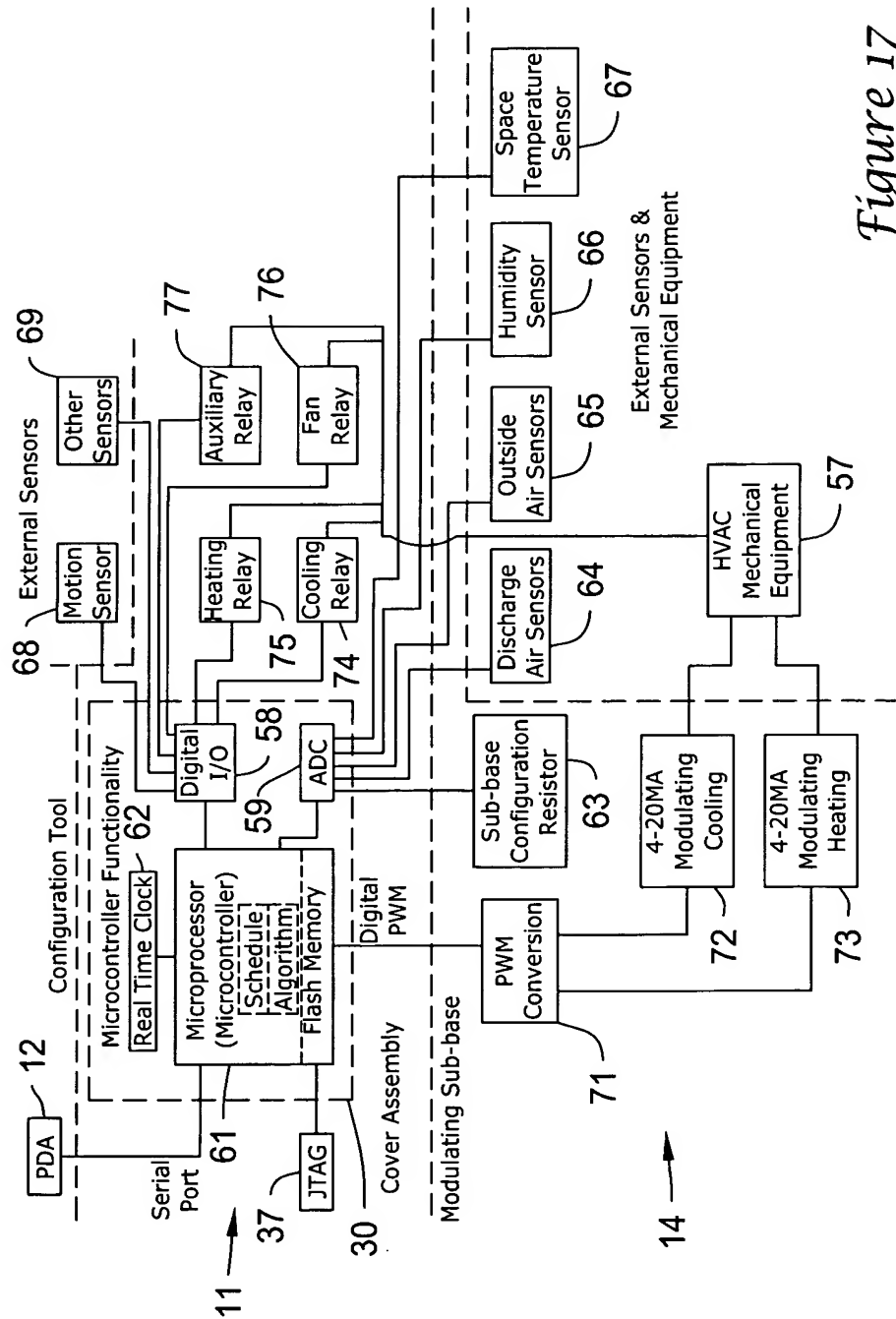


Figure 17

19/32

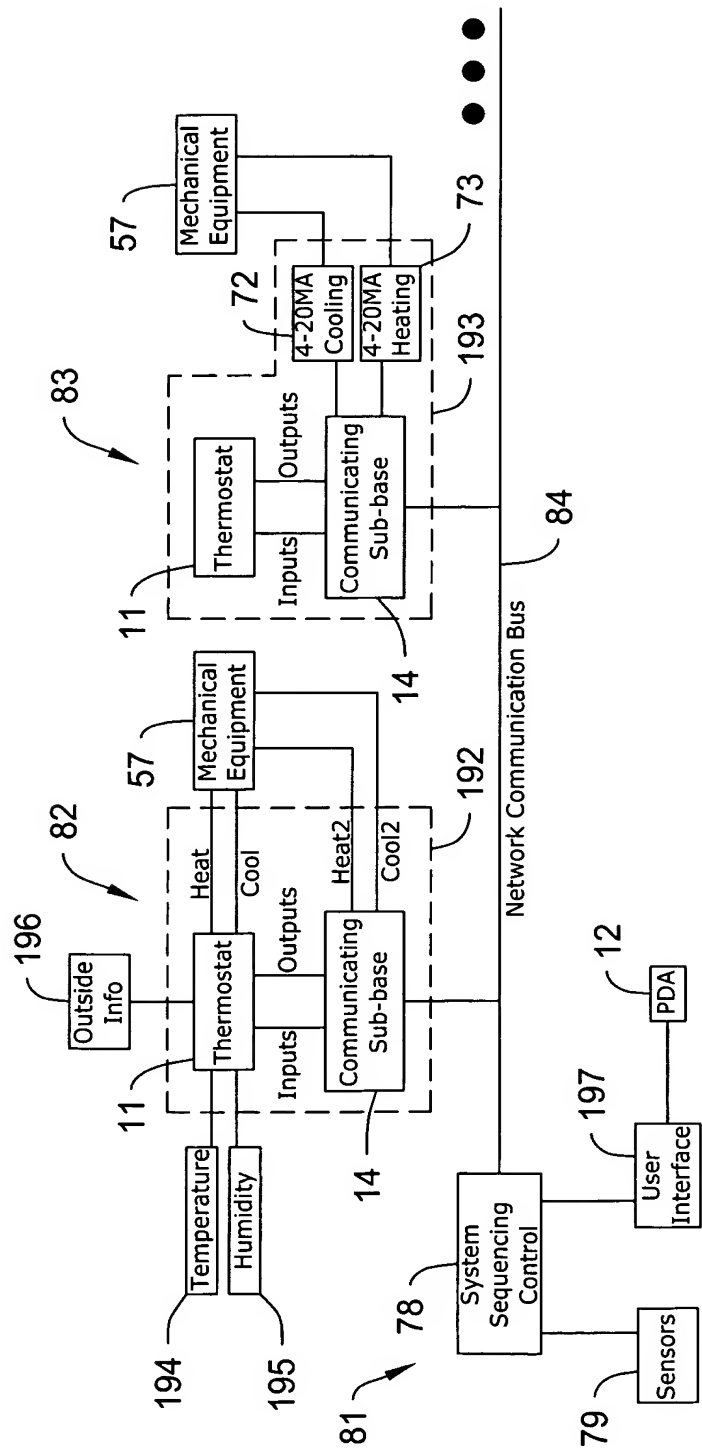


Figure 18

20/32

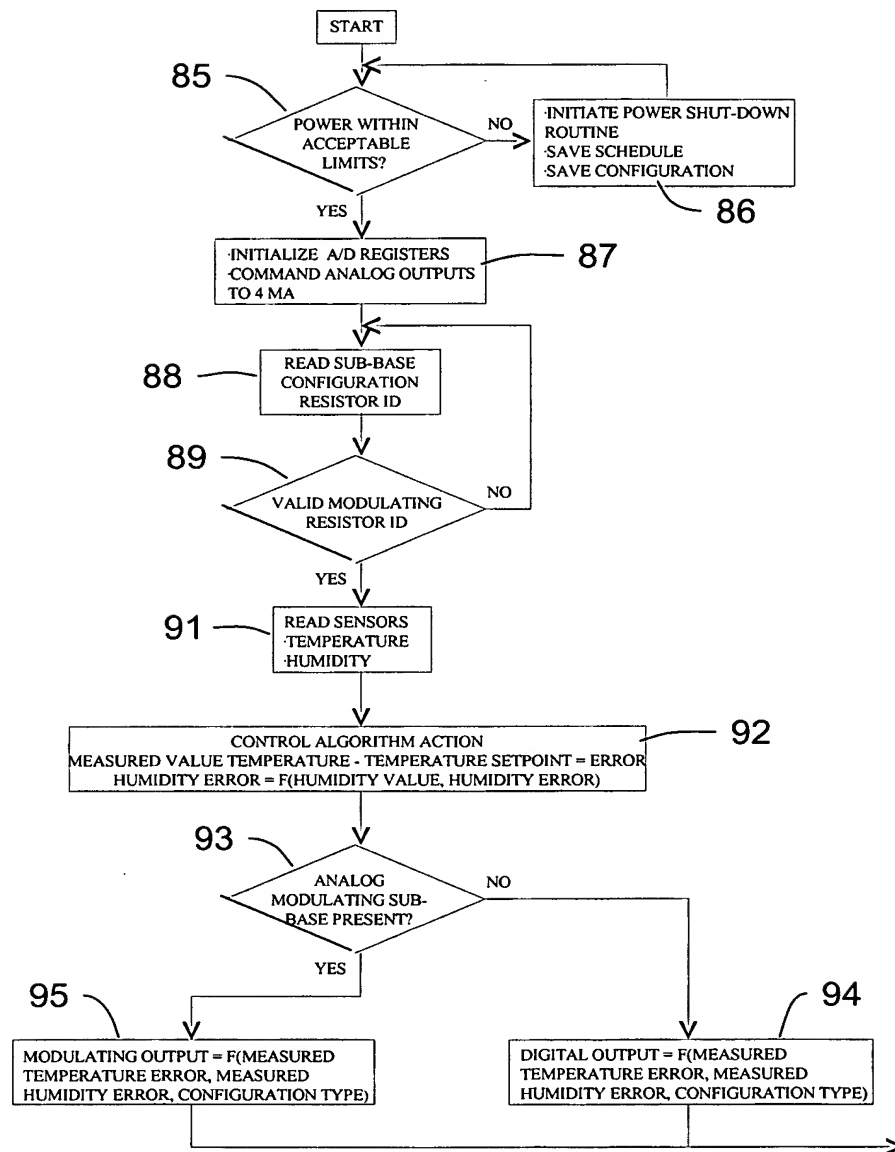


Figure 19

21/32

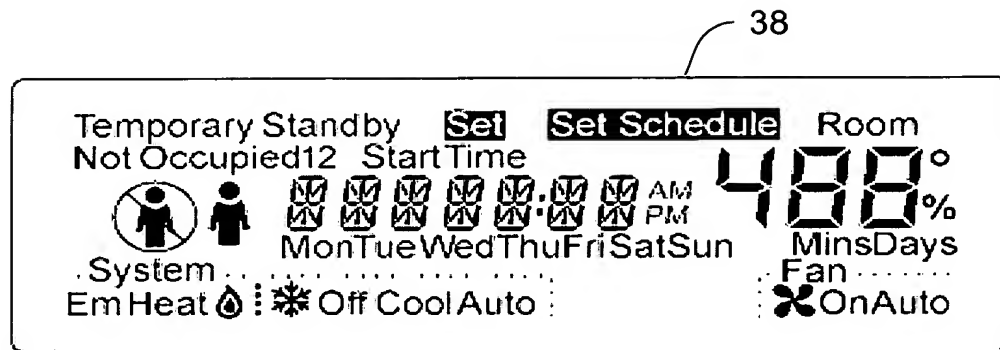


Figure 20A

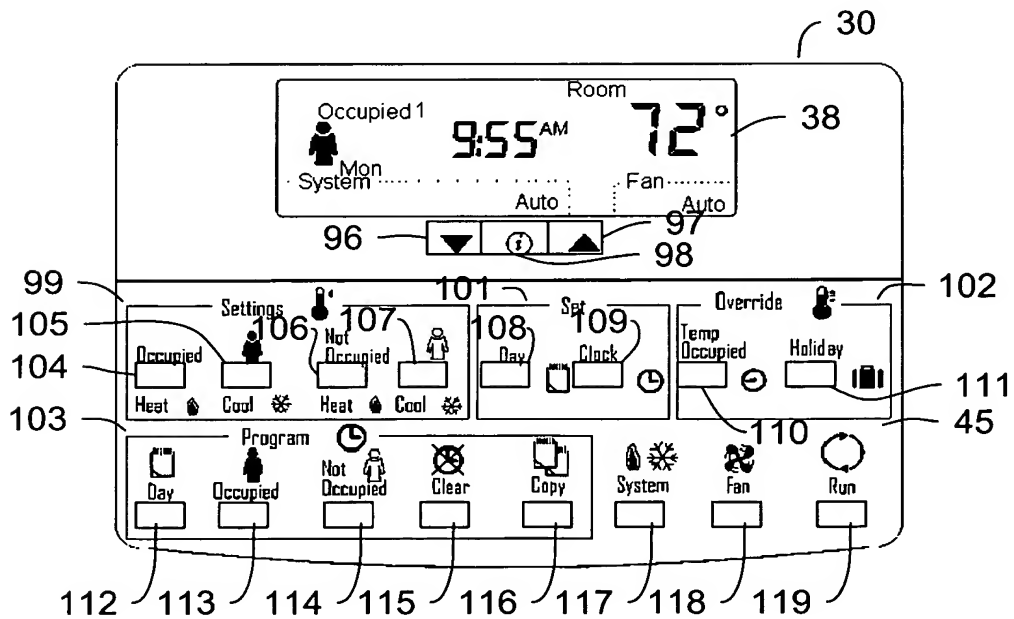


Figure 20B

22/32

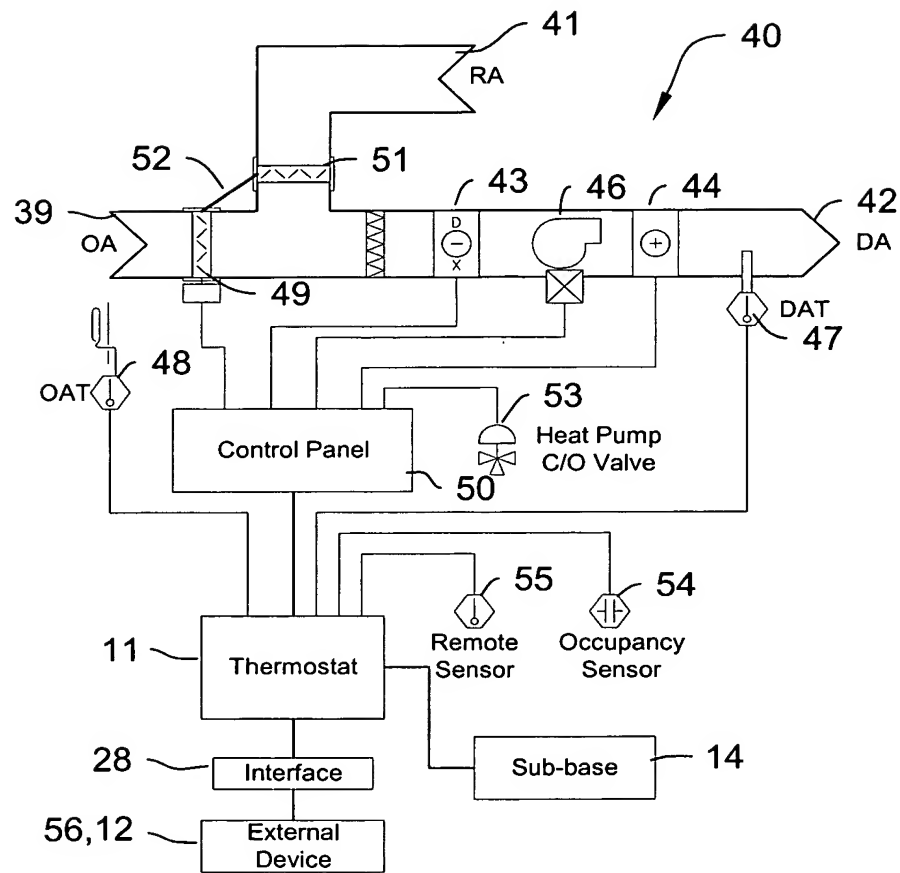


Figure 21

23/32

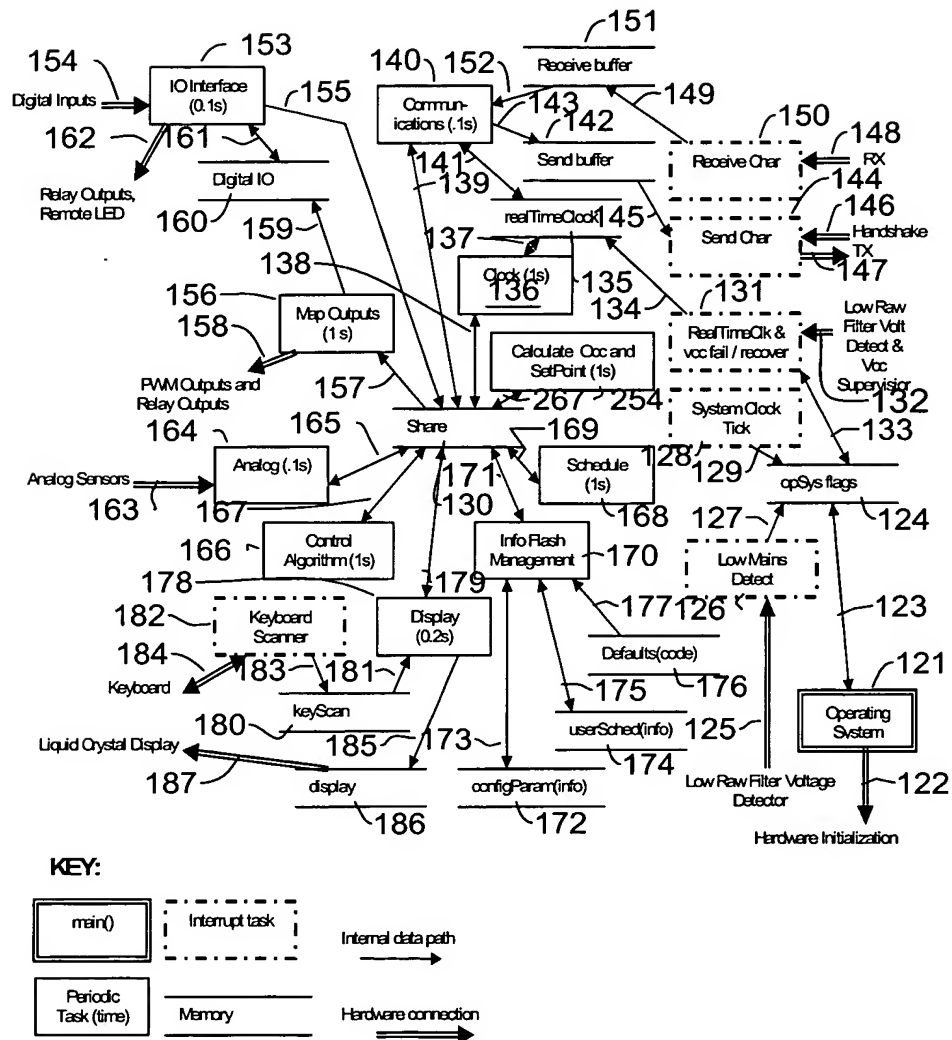


Figure 22

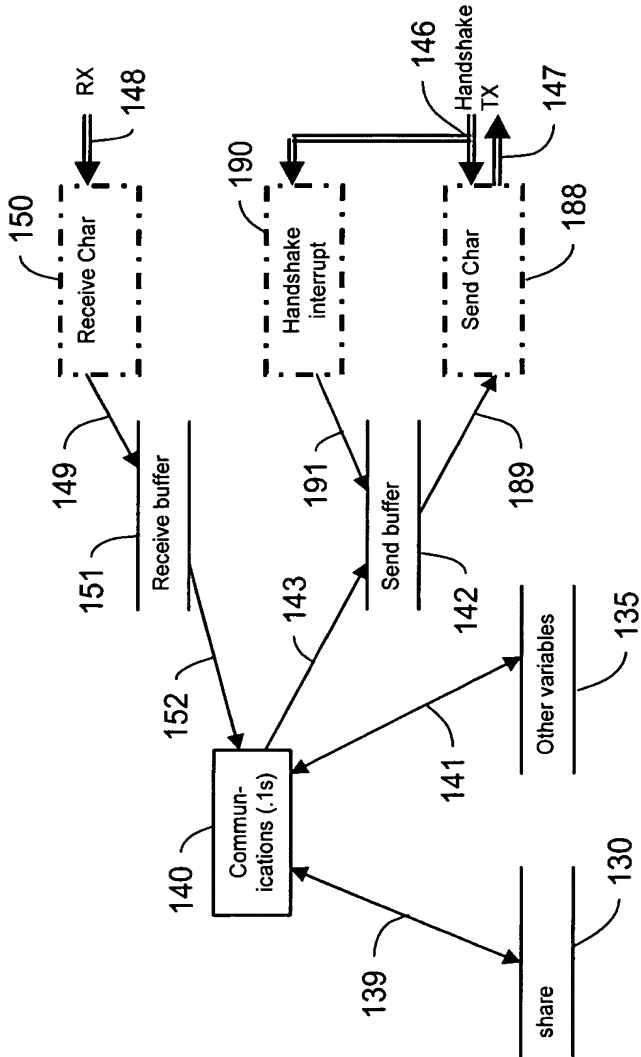


Figure 23

25/32

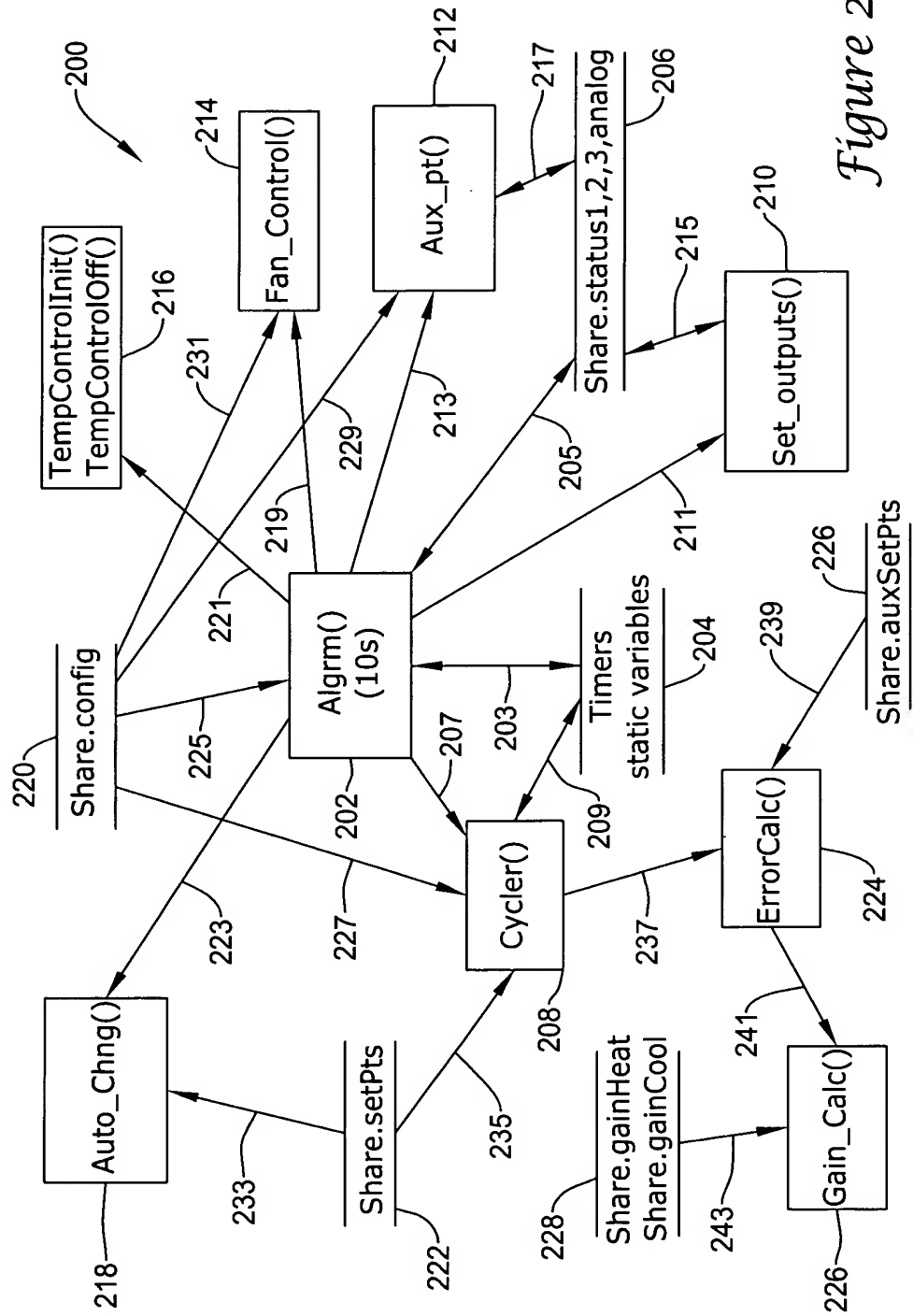


Figure 24

26/32

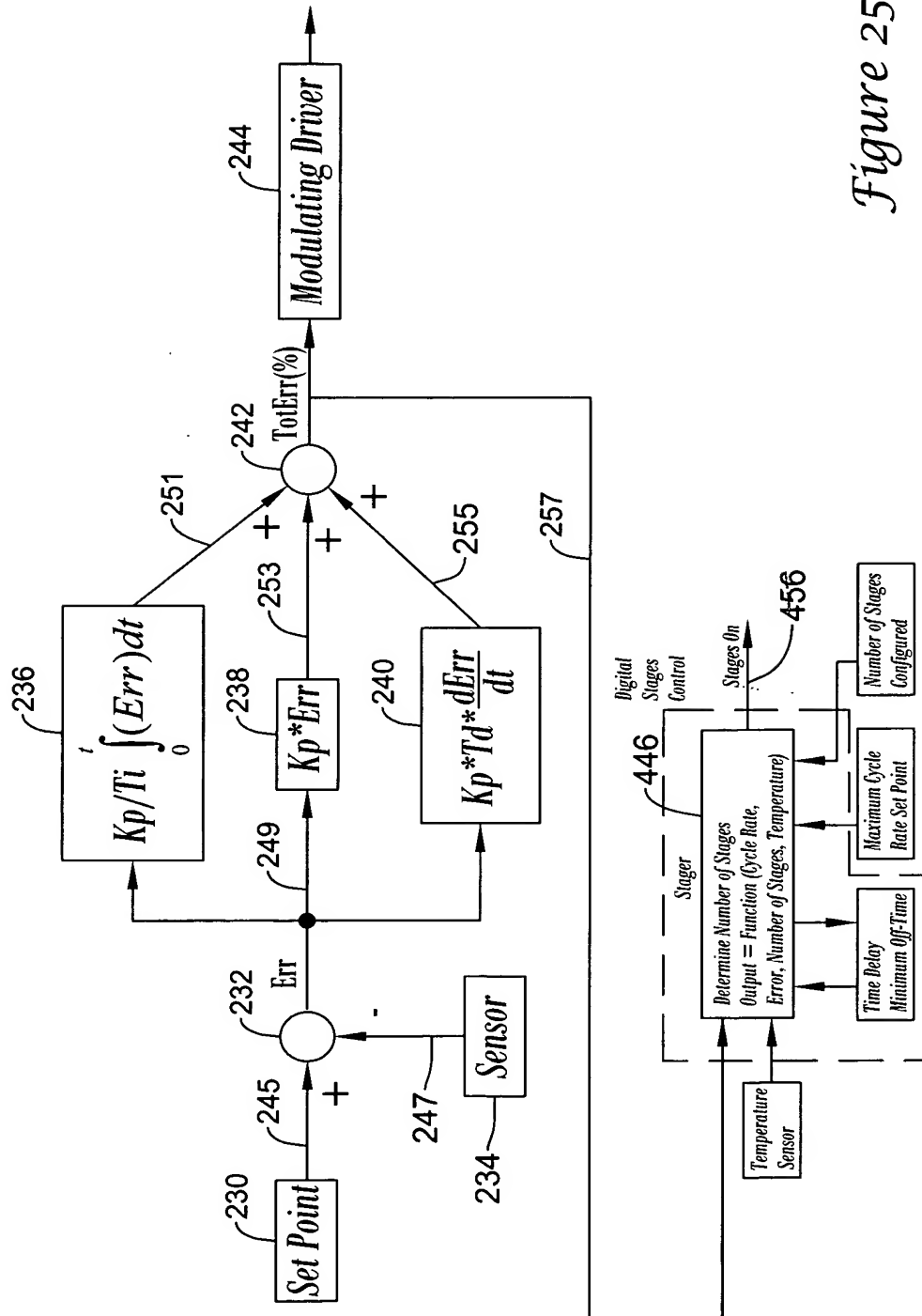


Figure 25

27/32

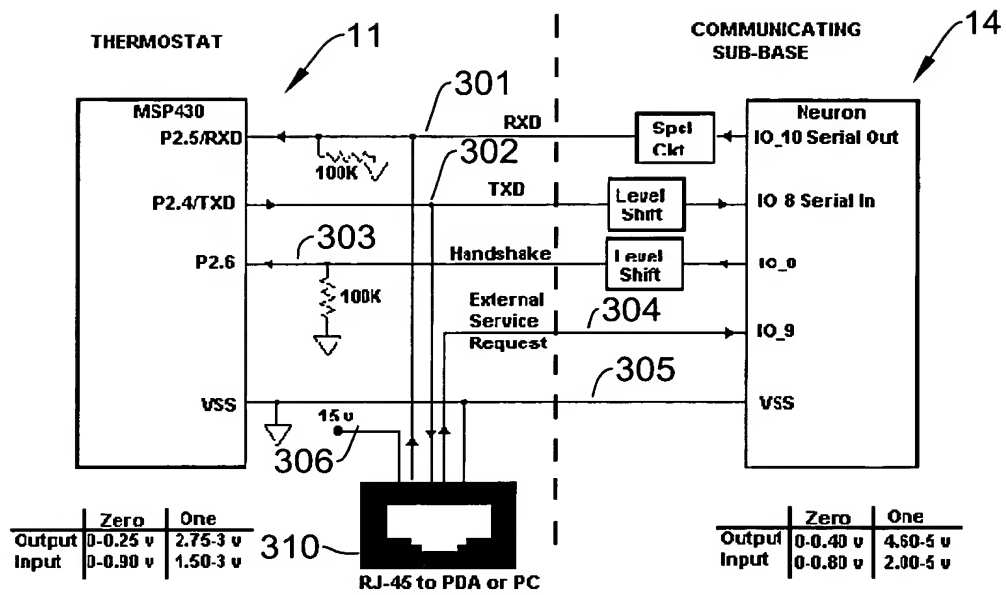


Figure 26

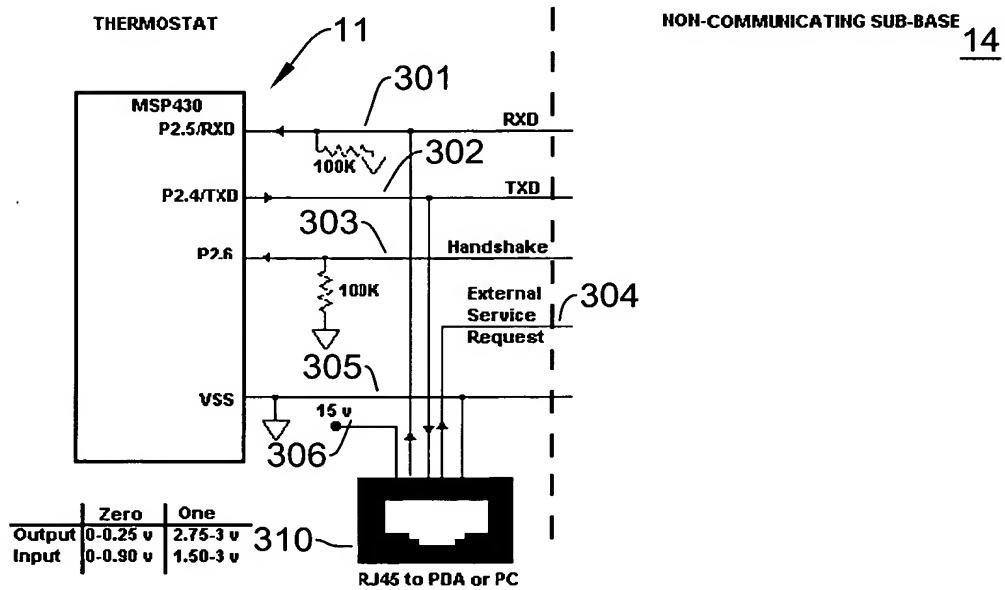


Figure 27

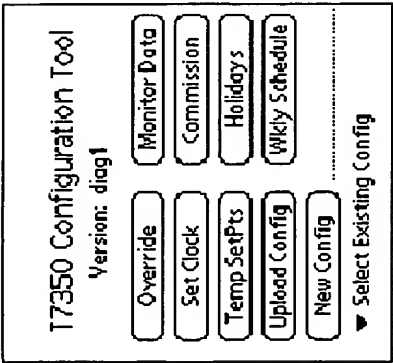


Figure 28A

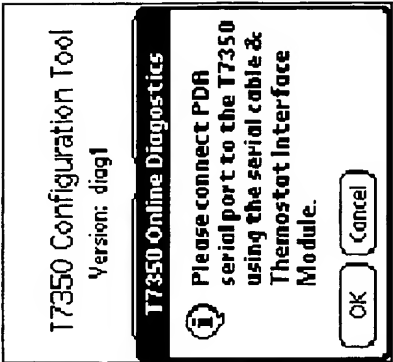


Figure 28B

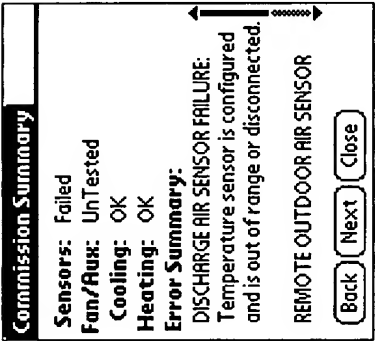


Figure 28C

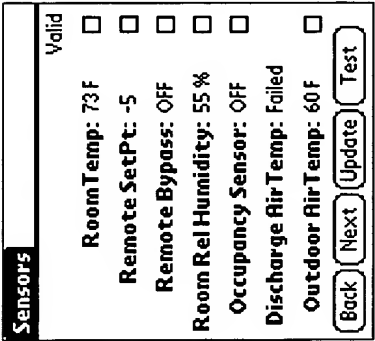


Figure 29A

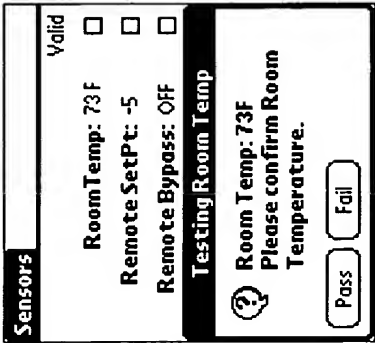


Figure 29B

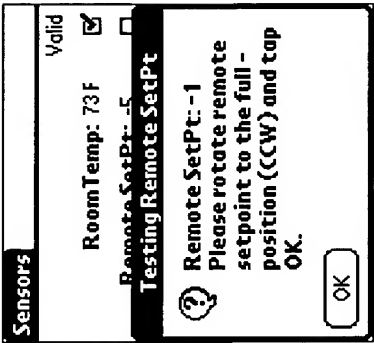


Figure 29C

Sensors

Valid

RoomTemp: 73 F

Testing Remote SetPt

?

Full - setting validated.
Remote SetPt: -5
Please rotate remote
setpoint to the full +
position (CW) and tap
OK.

OK

Figure 29D

Sensors

Valid

RoomTemp: 73 F

Remote SetPt: -5

Remote Bypass: OFF

Room Rel Humidity: 55 %

Occupancy Sensor: OFF

Discharge Air Temp: Failed

Outdoor Air Temp: 60 F

Back Next Update Test

Figure 29F

Sensors

Valid

RoomTemp: 73 F

Remote SetPt: -5

Testing Remote SetPt

i

Full + setting validated.
Remote SetPt: +5
Setpoint test sequence
completed.

OK

Figure 29E

Cooling Equipment

ManualMode: OFF

Fan Status: OFF

Clg Stage1 - Y1: OFF

Clg Stage2 - Y2: OFF

Clg Stage3 - Y3: OFF

Valid

Back Next Update Test

Figure 31A

Cooling Equipment

ManualMode: OFF

Fan Status: OFF

Clg Stage1 - Y1: OFF

Valid

Testing Cooling Operation

?

Fan Status: OFF
Please confirm it is safe
to start the Fan.

Yes No

Figure 31B

Cooling Equipment

ManualMode: OFF
Fan Status: OFF
Clg Stage1 - Y1 : OFF

Valid ☐

Testing Cooling Operation

?

Fan Status: ON
Please confirm Fan operation.

Pass Fail

Figure 31C

Cooling Equipment

ManualMode: OFF
Fan Status: OFF
Clg Stage1 - Y1 : OFF

Valid ☐

Testing Cooling Stages

of Stages: 1
DischargeAirT: 78F
CoilDeltaT: 0F
Progress: II

Cancel

Figure 31E

Cooling Equipment

ManualMode: OFF
Fan Status: OFF
Clg Stage1 - Y1 : OFF

Valid ☐

Testing Cooling Stages

Validated Stage 1
Cooling Operation
Progress: IIIIIIIII

Cancel

Figure 31G

Cooling Equipment

ManualMode: OFF
Fan Status: OFF

Valid ☐

Testing Cooling Stages

?

Fan Status: ON
of Stages: 0
Please confirm it is safe to start Cooling Stages.

Yes No

Figure 31D

Cooling Equipment

ManualMode: OFF
Fan Status: OFF
Clg Stage1 - Y1 : OFF

Valid ☐

Testing Cooling Stages

of Stages: 1
DischargeAirT: 73F
CoilDeltaT: 5F
Progress: IIII

Cancel

Figure 31F

Cooling Equipment

ManualMode: OFF
Fan Status: OFF
Clg Stage1 - Y1 : OFF
Clg Stage2 - Y2 : OFF
Clg Stage3 - Y3 : OFF

Valid ☒
☒
☒

Back Next Update Test

Figure 31H

Heating Equipment

ManualMode: OFF
Fan Status: OFF
Htg Stage1 - W1 : OFF

Valid ☒

BackNextUpdateTest

Figure 32E

Heating Equipment

ManualMode: OFF
Fan Status: OFF

Valid

Testing Heating Stages

?

Htg Stage 1: OFF

Please confirm it is safe to activate Heating Stage contact.

YesNo

Figure 32C

Heating Equipment

ManualMode: OFF

Testing Heating Stages

?

Htg Stage 1: ON

Please confirm Heating Stage 1 operation. For example, room baseboard heat is activated.

PassFail

Figure 32D

Heating Equipment

ManualMode: OFF
Fan Status: OFF
Htg Stage1 - W1 : OFF

Valid ☐

BackNextUpdateTest

Figure 32A

Heating Equipment

ManualMode: OFF
Fan Status: OFF

Valid

Testing Heating Operation

?

Fan Status: OFF

Please confirm Fan air flow is required for stage 1 heating.

YesNo

Figure 32B

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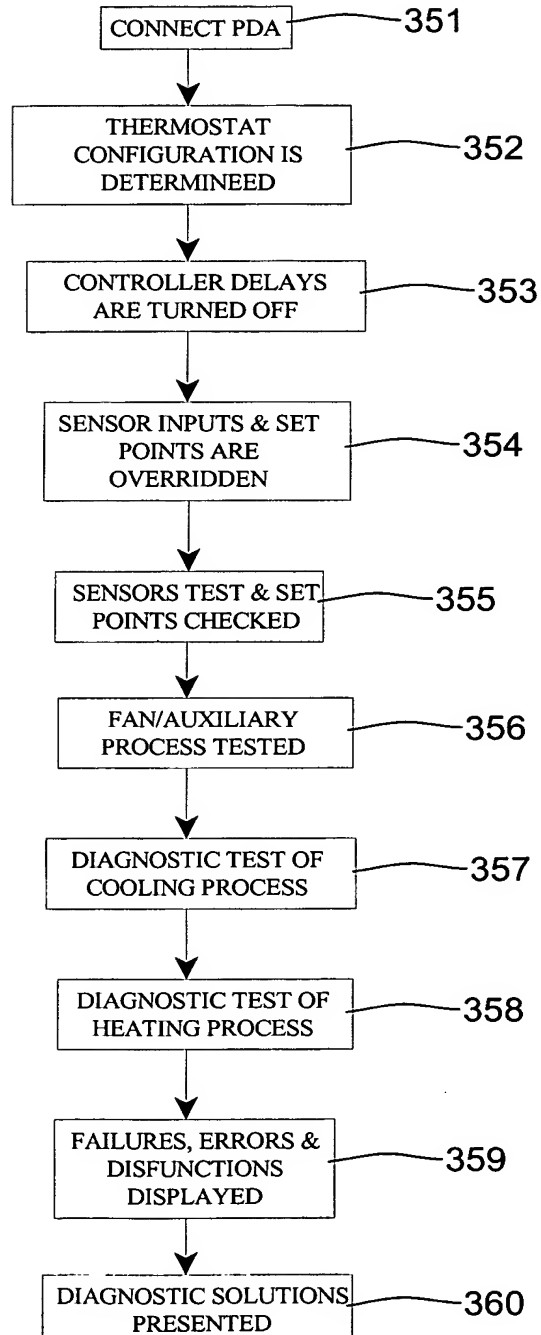


Figure 33